

Abstract

2-Mercaptobenzothiazole is obtained from a melt of the raw product prepared by the reaction of aniline, carbon disulphide and sulphur by pressure synthesis in a reactor. 2-mercaptobenzothiazole raw product from the pressure reactor is in the first batch dissolved in an excess of pure aniline. By cooling down the solution, crystals of 2-mercaptobenzothiazole are precipitated, which are separated and the liquid phase is used in the next batch. The obtained cake of crystallized product is processed with a minimum amount of fresh aniline and pure product is separated from the resulting mixture. The obtained liquid phase from final purification is recycled by charging it into the next crystallization.